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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,331	01/20/2004	David M. Theobold	72255/00017	9796
23380 7	590 06/30/2005		EXAMINER WIMER, MICHAEL C	
	LLIS & WEST LLP GTON BUILDING			
925 EUCLID A			ART UNIT	PAPER NUMBER
CLEVELAND	, OH 44115-1475		2828	

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		A	2/
	Application No.	Applicant(s)	
	10/760,331	THEOBOLD, DAVID M.	
Office Action Summary	Examiner	Art Unit	
	Michael C. Wimer	2828	
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a ply within the statutory minimum of thi d will apply and will expire SIX (6) MOI ate, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication BANDONED (35 U.S.C. § 133).	1 .
Status			
1) Responsive to communication(s) filed on			
,	is action is non-final.		
3) Since this application is in condition for allow	•	• •	;
closed in accordance with the practice under	Ex parte Quayle, 1935 C.L	D. 11, 453 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 1-39 is/are pending in the application 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-12,14-27 and 29-37 is/are rejected 7) ☐ Claim(s) 13,28 and 38-40 is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examir 10)☐ The drawing(s) filed on 20 January 2004 is/ar Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Examir 11.	re: a)⊠ accepted or b)⊡ one drawing(s) be held in abeya tection is required if the drawing	nce. See 37 CFR 1.85(a). I(s) is objected to. See 37 CFR 1.121(c	i).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in A iority documents have beer au (PCT Rule 17.2(a)).	Application No received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/06) Paper No(s)/Mail Date	Paper No	Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-6,11,12,16-21,26,27 and 31-37 are rejected under 35 U.S.C. 102(e) as being anticipated by del Castillo et al. (6539207).

Regarding Claims 1-6,11,12,16-21,26,27 and 31-37, del Castillo et al. show a removable antenna assembly comprising a plurality of diversity, patch antennas 70 and 100 for TX and RX wireless signals over a plurality of wireless channels (e.g., WLAN, IEEE 802.11), a sectorized mounting structure 40,42 is provided for retaining the antenna elements in an antenna isolation configuration, and at least one removable network interface 10 for selectively enabling a signal connection between a radio digital interface component and the antennas, and the PCMCIA card is connected to a host computer containing a motherboard, all arranged as claimed.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 4. Claims 7-10,14,15,22-25,29 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over del Castillo et al. (6539207) in view of Freeburg et al. (5355520).

 Regarding Claims 7-10,14,15, 22-25,29 and 30, del Castillo et al. show the
 - structure of the antenna communication system as set forth above. Freeburg et al. are cited as evidence of obviousness and as resolving the level of ordinary skill in the antenna art and shows in Figures 1,4 and 5, antennas mounted upon facets around a circular support, sectorized with at least a hexagonal arrangement. It would have been obvious to employ any number of antenna elements on such a support in lieu of the dual antenna arrangement in del Castillo et al for providing omnidirectional, long or short range as desired.

Allowable Subject Matter

- 5. Claims 13,28 and 38-40 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Wimer whose telephone number is (571) 272-1833. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minsun O. Harvey can be reached on (571) 272-1835. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael C. Wimer Primary Examiner Art Unit 2828

MCW 6/10/2005